

Purchase Order Receipt Listing

Monday, April 10, 2017 10:42:02 AM

All Vendors PO ID po35853 Receipt Dates from 4/10/2017 to 4/10/2017 All Line Item Types
 All Item ID/GL/WOs All Rec. Employees All Currencies
 Grouped by Vendor ID

Page 1 of 2

All amounts are calculated in domestic currency.

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID Reference/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
PO35853 CAD	1 No	VC-COP001 M304B1.000X1.000 304 bar 1.00 x 1.00 m137263	Thyssenkrupp Materials CA Ltd f 12 f	4/10/2017 12.0000	4/10/2017 PLOU01	12.0000 \$14.79	0.0000 \$177.49	0 0	0	\$177.49
	2 No	M304R0.375 304 ROUND BAR 0.375 m137263	f 24 f 12 f	4/10/2017 24.0000	4/10/2017 PLOU01	24.0000 /	\$1.72 \$41.32	0.0000 0.0000	0 0	\$41.32
	3 No	M304S11GA 304/316 0.125 Sheet m137263	sf sf	4/10/2017 32.0000	4/10/2017 PLOU01	40.0000 \$398.19	0.0000 0.0000	0 0	0	\$398.19
	4 No	M304S16GA 304/316 Sheet .063 m137263	sf sf	4/10/2017 120.0000	4/10/2017 PLOU01	120.0000 \$480.94	\$4.01 0.0000	0.0000 0.0000	0 0	\$480.94
	5 No	M304S20GA 304/316 .040 Sheet m137263	sf sf	4/10/2017 64.0000	4/10/2017 PLOU01	64.0000 \$230.35	\$3.60 0.0000	0.0000 0.0000	0 0	\$230.35
	6 No	M5052H325.080 5052-H32.080 Sheet m137263	sf sf	4/10/2017 32.0000	4/10/2017 PLOU01	32.0000 \$84.15	\$2.63 0.0000	0.0000 0.0000	0 0	\$84.15
	7 No	M6061T6B0.750X01. 500 6061-T6 Bar .750 X 1.50 m137263	f 12 f	4/10/2017 12.0000	4/10/2017 PLOU01	12.0000 \$50.67	\$4.22 0.0000	0.0000 0.0000	0 0	\$50.67
	8 No	M6061T6R0.625 6061-T6 Round Bar .625" m137263	f 12 f	4/10/2017 12.0000	4/10/2017 PLOU01	12.0000 \$34.44 \$41.32	0.0000 0.0000	0 0	0	\$41.32

DAN

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

NO: PEC 39688
 Ship Date 07Apr17 at 14:54 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhicle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

B I L L O F L A D I N G

1) Our Order PEC- 36629- 1 Your PO # 35853
 Part # **** RML **** Rel #

STAINLESS STEEL SQ BAR 304L
 1.00" X 144.0000"

Heat Number Tag No
 269432 637495

Quantity 12 FT PCS 1 MTR WT LBS 44

2) Our Order PEC- 36629- 2 Your PO # 35853

STAINLESS STEEL ROUND BAR 304L
 .375" DIA X 144.0000"

Heat Number Tag No
 313E 637496

Quantity 24 FT PCS 2 MTR WT LBS 9

3) Our Order PEC- 36629- 3 Your PO # 35853

STAINLESS STEEL SHEET 304L-2B DUAL GRADE
 .1200 Nom X 48.0000" X 120.0000"

Heat Number Tag No
 LZ515D05 637568

Quantity 40.00 SFT PCS 1 MTR WT LBS 193

4) Our Order PEC- 36629- 4 Your PO # 35853

STAINLESS STEEL SHEET 304L-2B DUAL GRADE
 .0600 Nom X 48.0000" X 120.0000"

Heat Number Tag No
 Y7V5 637571

Quantity 120.00 SFT PCS 3 MTR WT LBS 288

5) Our Order PEC- 36629- 5 Your PO # 35853

STAINLESS STEEL SHEET 304-2B
 .0360 Nom X 48.0000" X 96.0000"

Heat Number Tag No

Quantity PCS Wt LBS

MTR

Page: 1Continued

ALUMINIUM - LAITON - CUIVRE - PLASTIQUE - ACIER INOX
 ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANTISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

SD/14410

Guillermo Audia

11/04/10

DATE

B I L L O F L A D I N G

No: PEC 39688

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 CONCORD, ONTARIO L4K 5C6
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Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G
AOA010-AAD

637578

64.00 SFT

2

92

6) Our Order PEC- 36629- 6 Your PO # 35853
 ALUMINUM SHEET 5052-H32
 .0810 Nom X 48.0000" X 96.0000"

Heat Number Tag No
5160810284-B-1 637579

OK

Quantity
32.00 SFTPCS
1Wt LBS
36

7) Our Order PEC- 36629- 7 Your PO # 35853
 ALUMINUM FLAT BAR 6061-T6511
 .750" X 1.50" X 144.0000"

Heat Number Tag No
201704900 637497

OK

Quantity
12 FTPCS
1Wt LBS
16

8) Our Order PEC- 36629- 8 Your PO # 35853
 ALUMINUM ROUND BAR 6061-T6511
 .625" DIA X 144.0000"

Heat Number Tag No
200529-1 637498

OK

Quantity
12 FTPCS
1Wt LBS
5

9) Our Order PEC- 36629- 9 Your PO # 35853
 ALUMINUM ROUND BAR 6061-T6511
 .750" DIA X 144.0000"

Heat Number Tag No
201621991 637499

OK

Quantity
24 FTPCS
2Wt LBS
13

10) Our Order PEC- 36629- 10 Your PO # 35853
 ALUMINUM SHEET 6061 T6
 .0810 Nom X 48.0000" X 144.0000"

Heat Number Tag No
RA27997 637564

OK

Quantity
96.00 SFTPCS
2Wt LBS
109

11) Our Order PEC- 36629- 11 Your PO # 35853
 Part # *** FROM PLATE Rel #
 ALUMINUM PLATE 7075-T651 DOMESTIC
 1.00" THICK X 6.0000" X 144.5000"

OK

Page: 2Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
 ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

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SP14410

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 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

Heat Number
 9383282

Tag No
 637703

OK Quantity
 6.02 SFT

PCS
 1

Wt LBS
 96

12) Our Order PEC- 36629- 12 Your PO # 35853
 STAINLESS STEEL ROUND BAR 303 STAINLESS
 .750" DIA X 144.0000"

Heat Number
 226E

Tag No
 637500

OK Quantity
 36 FT

PCS
 3

Wt LBS
 55

13) Our Order PEC- 36629- 13 Your PO # 35853
 STAINLESS STEEL SHEET 304L-2B DUAL GRADE
 .0750 Nom X 48.0000" X 96.0000"

Heat Number
 159W

Tag No
 637580

OK Quantity
 32.00 SFT

PCS
 1

Wt LBS
 95

Tags
 TOTAL: 13 PCS
 21 LBS
 1051

Heat Number

*** Chemical Analysis ***

159W

200529-1

201621991

201704900

226E

269432

313E

5160810284-B-1

9383282

AOA010-AAD

LZ515D05

RA27997

Y7V5

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT

Page: 3Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
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17/04/10

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 Sold To: (20115)
 DART AEROSPACE

B I L L O F L A D I N G

WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **

TOTAL 2 BDLS, 3 SKIDS GW. 1339 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
 CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

***** WE STOCK STAINLESS STEEL *****

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***** PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER. ***

***UNE SURCHARGE D'ENERGIE DE \$25.00

SERA AJOUTEE A CHAQUE COMMANDE.***

***POUR VOS BESOINS D'ACIER INOXYDABLE,

CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

Page: 4 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
 ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
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THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SQ BAR 304L
1.00" X 144.0000"
PART NO. **** RML ****

PO/Ref 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-039688-001

7Apr17

Pg 1/3

Signed by: 



Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Telefono 0444.968211 - Fax 0444.963838
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: EN 10204 (2004), 3.1
Nach/According to/Selon

Certificato nr. MEST875470 / 2016 /
Prüfung/Test/Essai

Cliente / Besteller/Purchaser/Cient
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura: Hot rolled - Annealed Cold Drawn
Lieferzustand:
Delivery state:
Etat de livraison

Produttore:
Hantale/Valbruna produzione
ACCIAIERIE VALBRUNA S.P.A.

Ordine nr. 603005690 STOCK
Basis/
Your order
Commande

Tipo di Elaborazione: E+AOD
Eisenwalzverfahren
Melting process
Mode d'élaboration

Marchi di Fabbbrica:
Zeilchen des Herstellers
Trade marks
Sigles de l'usine productrice

Conferma ordine nr.: EI16002840
Werks/Our Order Ref. nr.

Qualità: 304/304L
Werks/Grade/Qualité

Punzone del Collaudatore:
Stempel des Werkzeugverantwortlichen
Inspector's Mark/Plaque de l'inspecteur

Avviso di Spedizione: D-VI16013169
Lieferzeichen/Packing list/B.L.

Marca: AISL
Markenbezeichnung
Brand / Nuance

Punzonatura: 304/304L
Kontrollzeichen
Marking
Marquage

SPECIFICHE:

Note:

Anforderungen / Requirements / Exigences

Aufzeichnungen / Notes / Notes

VSI D 304/304L A,CF

(1)SECTION II PT.A 2015 EDITION For products machined directly from bar refer to ASME SA479.

AISI 304/304L

(1)SECTION II PT.A 2015 EDITION Chemical analysis only.

AMS 5639 H S30400 A

(2)SECTION II PT.A 2015 EDITION

AMS 5647 J S30403 A

(3)SECTION II PT.A 2015 EDITION Chemical analysis only.

AMS-QQ-S-783 D 304 A,CF

(4)SECTION II PT.A 2015 EDITION

AMS-QQ-S-783 D 304L A,CF

(5)For products machined directly from bar refer also to ASTM A479.

ASME SA182 2015 S30400/03 A (0)

(6)Chemical analysis only.

ASME SA193 2015 B8 (1)

(7)Chemical analysis only.

ASME SA276 2015 S30400/03 A,CF (2)

(8)Chemical analysis only.

ASME SA320 2015 B8 (3)

(9)Chemical analysis only.

ASME SA479 2015 S30400/03 A (4)

(10)Chemical analysis only.

ASTM A182 2015 S30400/03 A (5)

(11)Chemical analysis only.

ASTM A193 2016 B8 (6)

(12)Chemical analysis only.

ASTM A262 2013 PRACTICE E

(13)Chemical analysis only.

ASTM A276 2016 S30400/03 A,CF

(14)Chemical analysis only.

ASTM A314 2008 S30400/03

(15)Chemical analysis only.

ASTM A320 2015A B8 (7)

(16)Chemical analysis only.

ASTM A370 2014 .

(17)Chemical analysis only.

ASTM A473 2001 S30400/03 (8)

(18)Chemical analysis only.

ASTM A479 2016 S30400/03 A

(19)ANSI/NACE MR0175/ISO 15155-3, second edition 2009-10-15 Technical circular 1:2011 Published 2011-06-14

MIL-S-862 B/1 304/304L

NACE MR0103 2010 S30400/03 A

NACE MR0175 2009 S30400/03 A (9)

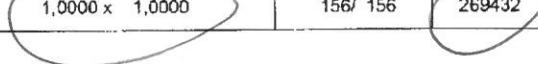
Tolleranza, ASTM A484-15 TABLE 8

Tolleranza/Allowance/Tolerance

Pos. nr. Pos. nr. Nr. de poste	Oggetto Description Produkt Objekt Produkt Description Produkt Produkt Description Produkt	Dimensioni - In Abmessungen Dimensions	Lunghezza - In Länge Length Longueur	Colata Schmelze Melt Purée	Pezzi Stückzahl Pezzi Pezzi	Peso - LB Gewicht Weight Poids	Lotto nr. Lotto Lote Lotto Lotto Lotto Lotto
0010	Square	1,0000 x 1,0000	156/ 156	269432		4.944	601108360

Vicenza, 25/05/16

VCQ008

(Mod. MCE2) 

Il collaudatore di stabilimento / der Werkzeugverantwortliche / Works Inspector / L'agent d'usine

M.Rizzotti 

Pagina - 1 di 3

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SQ BAR 304L
1.00" X 144.0000"
PART NO. **** RML ****

PO/Ref 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-039688-001

7Apr17

Pg 2/3



Acciaierie Valbruna S.p.A.

Signed by:

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Telefono 0444.968211 - Fax 0444.963836
Stab. 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: EN 10204 (2004) , 3.1

Nach/According to/Selon

Certificato nr. MEST875470 / 2016 /
Prüfung/Test/Essai

Cliente / Besteller/Purchaser/Clien
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura: Hot rolled - Annealed Cold Drawn
Lieferzustand
Delivery state
Etat de livraison

Produttore:
Hersteller/Usine productrice
ACCIAIERIE VALBRUNA S.P.A.

Ordine nr: 603005690 STOCK
Bestell
Your order
Commande

Tipo di Elaborazione: E+AOD
Enthärtungsart
Melting process
Mode d'élaboration

Marchi di Fabbrica:
Zischen des Lieferwerkes
Trade marks
Sigles de l'usine productrice

Conferma ordine nr: EI16002840
Werks/Our Order Ref.
Ref. de l'ordre

Qualità: 304/304L
Werkstoff/Graed/Qualité

Punzonatura del Collaudatore:
Stampel des Warenachsverändigen
Impression's stamp/Pointage de l'assayeur

Avviso di Spedizione: D-VI16013169
Leveranzerga/Packing list/B.L.

Marca:
Markenbezeichnung
Brand / Nuance

Punzonatura: 304/304L
Kennzeichnung
Marking
Marque



MR

TEST ALLO STATO DI FORNITURA										
Test on delivery condition / Prüfung auf lieferbereitem produkt / test a l'état de fourniture / Prueba sobre el material así como entregado										
TEST	Progetto/ Projekt: Spessore/Épaisseur: Long. Open Seite: Breadth. Diam. Circle: Width. Diam. Thickness: Long. Diam. Depth: Depth:		Postz Saggio Prüfung Examen Essai	Sfornamento Schrägziehen Yield stress Limite élastique Rp 0,2% kN	Sfornamento Schrägziehen Yield stress Limite élastique Rp 0,2% kN	Resistenza Zugfestigkeit Tensile strength Ressistance à la traction Rm kN	Allungamento Biegeschwung Elongation Allongement	E 4d %	Strizione Eindrückung Reduction of area Réduction de la surface	RA %
	°F	min max								
Valori richiesti	min max	30	-	75	-	40	-	50	-	140 235
A	12,5	68	L	74	103	45	68		230	

TEST ALLO STATO DI FORNITURA

Test on delivery condition / Prüfung auf lieferbereitem produkt / Test a l'état de fourniture / Prueba sobre el material así como entregado

TEST	min	max	5
A	Grain size for ASTM E112		

Mechanical properties according to ASTM A370.

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colore / Color	Alloy / Legierung	min	max	1.00	2.00	18.00	20.00	1.00	1.00	8.00	10.50	0.020	0.030	0.100	-	-	-	-	
269432	C %	0,020	0,37	Si %	1,74	Mn %	18,23	Cr %	0,53	Mo %	0,73	Cu %	8,00	Co %	0,129	P %	0,033	S %	N %

Corrosion test in 16% sulfuric acid and copper sulfate solutions

Test standard: ASTM A262-Practice E

Test	Heat treatment before test	Length of Period (h)	Test temp (°C)	Bend Angle (°)	Ø spindle (mm)	Result of visual inspection at 20 x magnification after bend test	Result
Intergranular corrosion	Sensitization	15	boil	180	5	Absence of cracks	SATISFACTORY

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 1 h/water.

Micro and macro etch test: OK

Reduction ratio = 44,4 : 1

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste.
Die gestellten Anforderungen sind erfüllt.
The material has been furnished in accordance with the requirements.
Le material est en tout conforme aux exigences.

Controllo antimescolanza: OK
Vorwärtsprüfung: spezialmäßig durchgeführt.
Annealing testing performed: OK
Controle antimescolanza fait: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze
Beobachtung und Ausmessung: ohne Bearbeitung
Visual inspection and dimensional checks: satisfactory
Controle visuel et dimensionnel: satisfaisant.

Vicenza, 25/05/16
VCQ008
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkseachverantwortige / Works inspector / L'agent d'usine

M.Rizzotti

Pagina - 2 di 3

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SQ BAR 304L
1.00" X 144.0000"
PART NO. **** RML ****

PO/Rel 35853

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BL PEC-039688-001

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Pg 3/3

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8724 HOLGATE CRESCENT
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura : Hot rolled - Annealed Cold Drawn
Lieferzustand
Delivery state
Etat de livraison

Produttore :
Hersteller/Manufacture/Producent
ACCIAIERIE VALBRUNA S.P.A.

Ordine nr: 603005890 STOCK
Bestell
Your order
Commande

Tipo di Elaborazione: E+AOD
Erhitzungsverfahren
Melting process
Mode d'Elaboration

Marchi di Fabbrica:
Zeichen des Herstellers
Tecken märke
Slogos de l'usine productrice

Conferma ordine nr: EI16002840
Works/Our Order Ref nr.

Qualità: 304/304L
Werkstoff/Grade/Qualité

Punzone del Collaudatore:
Stampel des Werkssachverständigen
Inspector's stamp/Polonje de l'inspecteur

Avviso di Spedizione: D-VI16013169
Lieferanzeige/Packing list/R.L.

Marca: AISL
Markenbezeichnung
Brand / Name

Punzonatura: 304/304L
Kennzeichnung
Marking
Marquage

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2008, ISO/TS16949 : 2009, AS 9100C

The Quality Management System is Certified acc. Pressure Equipment Directive 97/23/EC Annex 1 s.4.3 by TUEV and LLOYD'S
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

Maxwell and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/ or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 25/05/16
VCC008
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständige / Works Inspector / L'agent d'usine

M. Rizzotti 

Pagina - 3 di 3

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304L-2B DUAL GRADE

1200 Nom X 48.0000" X 120.0000"

PART NO.

PO/Ref 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

INSPECTION CERTIFICATE

Signed by: 

BL PEC-039688-003

7Apr17
Pg 1/1

INVOICE NO. : F15M105
COMMODITY : PRIME COLD ROLLED STAINLESS STEEL SHEET
SPECIFICATION : AISI 304/304L ASTM A240/A480-11a ASME SA240/SA480-11a
CUSTOMER : OLBERT METAL SALES LIMITED

NO. 345, SHUN-AN RD, LUPU DIST.
KAOHSIUNG CITY 821, TAIWAN, (R.O.C.)
TEL NO : 886-7-697-9266
FAX NO : 886-7-697-3006
CERTIFICATE NO: F15M105
DATE OF ISSUE:02/03/2015
PAGE: 1

SIZE	NO. of Product	Weight in KG NET	Heat No.	ID No.	Mechanical Properties						Chemical Composition (%)							
					Y.S. (N/mm ²)	T.S. (N/mm ²)	EL %	HRB	HV	C x 100	Si x 100	Mn x 1000	P x 1000	S x 1000	Ni x 100	Cr x 100	N x 100	
304304L 2B PH																		
11GA X 48" X 96"	1	1,988	LZ515D05	41S76641A-13	327	671	50	88	183	2.4	44	89	29	2	810	1834	6	
11GA X 48" X 96"	2	1,986	LZ515D05	41S76641A-14	327	671	50	88	183	2.4	44	89	29	2	810	1834	6	
11GA X 48" X 96"	3	1,823	LZ515D05	41S76641A-15	327	671	50	88	183	2.4	44	89	29	2	810	1834	6	
11GA X 48" X 120"	4	2,016	LZ515D05	41S76641A-11	327	671	50	88	183	2.4	44	89	29	2	810	1834	6	
11GA X 48" X 120"	5	2,016	LZ516D05	41S76641A-12	327	671	50	88	183	2.4	44	89	29	2	810	1834	6	
12GA X 48" X 96"	6	2,255	YU2771054	3C535782A-11	312	635	54	86	175	2.8	42	153	36	10	804	1818	3.9	
12GA X 48" X 96"	7	2,255	YU2771054	3C535782A-12	312	635	54	86	175	2.8	42	153	38	10	804	1818	3.8	
18GA X 48" X 96"	8	2,282	LZ4C1C06	41S76332A-1	312	675	53	85	171	2.8	50	102	38	3	810	1826	6.3	
18GA X 48" X 96"	9	2,282	LZ4C1C06	41S76332A-2	318	675	53	85	171	2.8	50	102	38	3	810	1828	6.3	
18GA X 48" X 96"	10	2,282	LZ4C1C06	41S76332A-3	318	675	53	85	171	2.6	50	102	38	3	810	1826	6.3	
18GA X 48" X 96"	11	2,288	YU178300	3C53544B8B-1	304	627	52	88	177	1.9	43	143	37	6	805	1807	4.2	
18GA X 48" X 120"	12	2,278	YU178300	3C53544B8B-2	304	627	52	88	177	1.9	43	143	37	6	805	1807	4.2	
18GA X 48" X 120"	13	2,287	YU178300	3AS32280A-31	285	624	54	81	158	2.1	43	143	37	4	805	1807	4.2	
18GA X 48" X 120"	14	2,254	YU268917	37S25744A-2	289	635	51	84	186	2.4	47	138	37	4	810	1822	4.3	
20GA X 48" X 96"	15	2,254	YU268917	37S25744A-3	299	635	51	84	166	2.4	47	136	37	4	812	1828	4	
20GA X 48" X 120"	16	2,254	YU268917	37S25744A-1	289	635	51	84	168	2.4	47	136	37	4	812	1828	4	
20GA X 60" X 120"	17	2,288	LZ2215577	26S75137A-221	308	684	52	86	176	2.3	56	98	37	3	806	1832	5.8	

Remarks:
NO MERCURY CONTAMINATION

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS
BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFICATION

THE COUNTRY OF MELT AND MANUFACTURE: TAIWAN

YIEH MAU CORP.


Manager of Quality Assurance Section

THYSSENKRUPP MATERIALS NA

THERMOCHEMISTRY

STAINLESS STEEL SHEET 304L-2B DUAL GRADE
304L-2B DUAL GRADE

0800 N8H X 48.0000 X 120.0000
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL PEC-039688-004

7Apr17
Pg 1/1

NAS

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K 1Z3

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

1000-145 (705)

Certificate: 176823 1 Mail To:

Customer: 007206 001
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

SHIP TO:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 5/11/2016 Page: 1
Steel: 304L Print: 23

Your Order: PEC273632

NAS Order: WN 0076560 01

卷之三

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED. UNS 30403
ASTM A240/15b, A480/15, A666/15; ASME SA240/15, SA666/15
CHEM ONLY ON FOLLOWING ASTM: A276/16, A479/16, A484/15, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA312/913
AMS 5511H XMRK; MIL-5059D AND (X CRN MEAS); MIL-4043B
NACE MR0175/ISO 15156-3:2009 A, MR0103/07:Q09766D-X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900°F, WATER QUENCHED

REMARKS:
Mat'l is free of Mercury contamination. No weld repairs.
EN 10204-2004 3.1; RoHS 1 & 2 Compliant.
Material is Free of Radioactive Contamination.
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DFARS Compliant

MECHANICAL PROPERTIES

Product	Mat#	Coil #	1	4	UTS	20C	.2% YS	20C ELONG	%	Hard	Tensile
			O	I	KSI	KSI	KSI	%-2"		RB	Ha
			C	R							
03YTV5	BA	03YTV5 B	F	T	98.48	50.60	50.80	88.00	87.5		

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items

Doc No. 233396 Indexed 12May16 by slssup1

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B

.0360 Non X 48.0000" X 96.0000"

PART NO.



連鋼鋼鐵股份有限公司

YUEN CHANG STAINLESS STEEL CO.

PO/Ref 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-039688-005

7/Apr/17

Pg 1/1

檢驗證明書 MILL TEST CERTIFICATE

列印日期 ISSUE DATE : 2015/04/27

高雄市前金區中正四路235號13F
13F, No. 235 Jungjieng 4th Road, Chianjin
Chiu, Kaohsiung, Taiwan
TEL : 886-7-9695832 FAX : 886-7-9685768
<http://www.yuenchang.com.tw>

客戶名稱 Customer	Thyssenkrupp Steel Services A Division Of Thyssenkrupp Materials Na Inc 22355 West Eleven Mile Road Southfield MI 48033 USA																
	Description Of Goods And/Or Services: Prime, Cold Rolled Stainless Steel Coil/Sheets, Slitted Edge, As Per ASTM A240/A480. Grade 304, No.4 Finish, Laser PVC On One Main Side, With Back Pass Grade 304, 2B Finish, With Paper Interleaf																
項 目 Item	鋼捲編號 Coil No.		爐號 Heat Number(s)			鋼種 Steel Grade		規格 Finish		產地尺寸 Thickness x Width x Length (INCH)		淨重 Net Weight (KG/SL)					
	AE004	CCB#0004-15	AOA010-AAD	304	2B	304	2B	206A x 48 x 96	206A x 48 x 96	206A x 48 x 96	206A x 48 x 96	1.158					
AE005	CCB#0003-05	AOA010-AAD	304	2B	304	2B	206A x 48 x 96	1.158									
AE001	CCB#0004-14	AOA010-AAD	304	2B	304	2B	166A x 48 x 96	971									
AE006	CCW#0007-23	AOA005-AAH	304	2B	304	2B	166A x 48 x 96	934									
AE003	CCCS#0396-29	AN#033-AAF	304	NO.4	304	NO.4	206A x 48 x 120	413									
化學成分 Chemical Composition / Chemical Analysis (%)																	
Item	C	Si	Mn	P	S	Cr	Ni	N	Cu	Mo	Others	T.S N/mm2	Y.S(0.2%) N/mm2	Elong (%)	HB	HRB	HV
AE004	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100	654	306	56.0	171.0			
AE005	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100	652	311	56.0	170.0			
AE001	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100	654	306	56.0	171.0			
AE006	0.021	0.270	1.330	0.030	0.0083	18.290	8.020	0.077	0.310	0.150	668	344	49.0	187.0			
AE003	0.018	0.340	1.390	0.031	0.0054	18.200	8.030	0.074	0.270	0.100	643	280	60.0	166.0			
機械性質 Mechanical Properties													QC Manager				
我謹此保證所列產品，均依材料規格製造及試驗，並符合規格之要求。 We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.													YUEN CHANG STAINLESS STEEL CO., LTD.	ISO 9001	David Wu		
本產品無輻射污染，並目不含汞。 The material described above is free from radiation contamination and mercury.																	
本證的證符合EN10204/Type 3.1認證。 Inspection certificate in accordance with EN10204/Type 3.1.																	
本表所列產品均符合ASTM A240規範要求。 All the above products conform to the requirements specified in ASTM A240.																	
WE HEREBY CERTIFYING THE MATERIAL TO ASTM A240/A480 AS PER EN 10204/3.																	
THYSSENKRUPP MATERIALS NA PO PEC-2631720, PEC-263821																	

我謹此保證所列產品，均依材料規格製造及試驗，並符合規格之要求。
We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.

本產品無輻射污染，並目不含汞。 The material described above is free from radiation contamination and mercury.

本證的證符合EN10204/Type 3.1認證。 Inspection certificate in accordance with EN10204/Type 3.1.

本表所列產品均符合ASTM A240規範要求。 All the above products conform to the requirements specified in ASTM A240.

WE HEREBY CERTIFYING THE MATERIAL TO ASTM A240/A480 AS PER EN 10204/3.

THYSSENKRUPP MATERIALS NA PO PEC-2631720, PEC-263821

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32

.0810 Nom X 48.0000" X 96.0000"

PART NO.

PO/Ref 35853
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Date: 2016-10-15
Invoice No.: GKO-GSS161015
Contract No.: GKO-GSS160825
Loading Port: Tianjin, China
Destination: Toronto, Canada

7Apr17
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Certificate of Mill Test Results

BL PEC-039688-006

7Apr17
Pg 1/1

浙江巨科铝业股份有限公司

ZHE JIANG GKO ALUMINUM STOCK CO., LTD

PRODUCT QUALITY CERTIFICATE

TO:

Global Stainless Steel Inc.
2345 Stanfield Rd, Suite # 203
Mississauga, Ontario L4Y 3Y3, CANADA
Tel: 905-696-6960 Fax: 905-696-8696

Certify to ALL AA Standards, ASTM B209

3003 H14 Certified to AMS/QQ A25082, AND AMS 4008
5052 H32 Certified to AMS/QQ A2508, AND AMS 4016

ALL Specifications to Latest Revisions

No.	Description	Alloy/Temp	Specification	Lot No.	Chemical Composition(%)							Mechanical Properties						
					Al	Si	Fe	Cr	Mn	Ni	Zn	T.S	Yield S	E(%)				
1	ALUMINUM SHEET	5052H32	2.032-1219.2*2438.4	5160810244-B-3	1321	96.99	0.092	0.259	0.003	0.029	2.38	0.197	—	0.006	0.01	220	210	12
2	ALUMINUM SHEET	5052H32	2.032-1219.2*2438.4	5160810244-B-2	1354	96.99	0.092	0.259	0.003	0.029	2.38	0.197	—	0.006	0.01	220	210	12
3	ALUMINUM SHEET	5052H32	2.032-1219.2*2438.4	5160810244-B-1	1381	96.99	0.092	0.259	0.003	0.029	2.38	0.197	—	0.006	0.01	220	210	12
4	ALUMINUM SHEET	5052H32	2.032-1219.2*2438.4	5160810244-B-4	1436	96.99	0.092	0.259	0.003	0.029	2.38	0.197	—	0.006	0.01	220	210	12
5	ALUMINUM SHEET	3003H14	4.775*1219.2*2438.4	3160910127-B-1	1580	98.18	0.089	0.488	0.074	1.097	0.015	0.01	—	0.009	0.015	166	162	11
6	ALUMINUM SHEET	3003H14	4.775*1219.2*2438.4	3160910127-B-3	1580	98.18	0.089	0.488	0.074	1.097	0.015	0.01	—	0.009	0.015	166	162	11
7	ALUMINUM SHEET	3003H14	4.775*1219.2*2438.4	3160910127-B-2	1580	98.18	0.089	0.488	0.074	1.097	0.015	0.01	—	0.009	0.015	166	162	11
8	ALUMINUM SHEET	3003H14	3.175*1219.2*2438.4	3160910129-B-4	1621	98.15	0.085	0.488	0.074	1.103	0.035	0.005	—	0.009	0.014	157	150	12
9	ALUMINUM SHEET	3003H14	3.175*1219.2*2438.4	3160910129-B-3	1627	98.15	0.085	0.488	0.074	1.103	0.035	0.005	—	0.009	0.014	157	150	12

ZHE JIANG GKO ALUMINUM STOCK CO., LTD

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1750" X 1.50" X 144.0000"

PART NO.

PO/REL 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



Service Center Metals

5850 Quality Way
Prince George, VA 23875



Can Bo.		MANIFEST NUMBER		DIE NUMBER		DATE OF SHIPMENT		CERTIFICATION	
BILL TO	ThyssenKrupp Materials NA-Concord, ON	327824	RBO113	3/30/2017		ASTM-B221-14 Stencil Cont			
SHIP TO	ThyssenKrupp Materials NA-Concord, ON	CUSTOMER PO	PEC-281950	6061-T6511	D. Schroeder (Canada)	SPECIFICATION			
Quantity Certified	1,365 lbs	86 pcs	CUSTOMER PART NUMBER	SCRB 1750x1.500	DESCRIPTION	AMS-QQA-200/8 Rev-A			

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6. This product is RoHS-2, REACH, and DFARS compliant.

OUR ORDER NUMBER	ITEM
289319	1

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
3/29/17	min 51.70 max 51.80	min 48.80 max 48.90	min 17.40 max 17.80

2
201704900

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Melt Source
03191705	201704900	6061	0.73	0.40	0.33	0.11	0.87	0.09	0.08	0.02	97.37	0.05	0.15

SCM products are melted and extruded in the USA

Certificate of Mill Test Results
BL PEC-039688-007
7Apr17
Page 1/1

Print Date: 3/30/2017

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
625" DIA X 144.0000" PART NO.



ALUMINUM CIRP

PO/REL 35853
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: _____

Certificate of Mill Test Results

BL PEC-039688-008

7Apr17 Pg 1/1

TEL: (416)745-4444 FAX: (416)745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST

BILL TO	CERT CODE:		DIE NUMBER	DATE OF SHIPMENT	EXTRUDEX ORDER NO.	MANIFEST NO.
THYSSENKRUPP MATERIALS,NA	9		S 3651	Jan/03/2017	200529	362865
SHIP TO	CUSTOMER PO		ALLOY	TEMPER	Salesman	
THYSSENKRUPP MATERIALS,NA	PEC-279420		6061	T6511	FORBES DODWELL	
SO DESCRIPTION	CUST. PART NUMBER		PART DESCRIPTION		CERTIFICATION	
.625" DIA	3651-S		.625" DIA		ASTM B221-14 - AMS QQA 200/8	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	Dec/19/2016	44.90	41.50	21.30	89.8,89.9,90.0	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	Y	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
384604	A.11	6061	0.61	0.15	0.21	0.03	0.88	0.07	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale

Quality Control Manager

1 - CUSTOMER COPY

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR, 6061-T6511

.750" DIA X 144.0000"

PART NO.



Service Center Metals

5850 Quality Way
Prince George, VA 23875

Can Do.

BILL TO
ThyssenKrupp Materials NA-Concord, ON
SHIP TO
ThyssenKrupp Materials NA-Concord, ON
Quantity Certified
1,996 lbs 320 pcs

CUSTOMER PO
PEC-280204
CUSTOMER PART NUMBER
RD0003

ALLOY-TEMPER
6061-T6511
DESCRIPTION
Lightning Rod Tie 0.750 + 004/- 003

MADE IN
the U.S.A.
ASTM-B221-14 Stencil Cont
D Schroeder (Canada)
AMS-QQA-200/8 Rev A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
32	12/15/16	min 46.80 max 51.90	min 43.30 max 47.30	min 11.10 max 17.90

201621991

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source
11061603	201621991	6061	0.72	0.40	0.32	0.12	0.89	0.12	0.08	0.02	97.33	0.05	0.15	United States of America	
11271605	201621991	6061	0.75	0.36	0.32	0.09	0.91	0.11	0.05	0.02	97.39	0.05	0.15	United States of America	
12101601	201621991	6061	0.71	0.34	0.30	0.09	0.88	0.09	0.08	0.02	97.49	0.05	0.15	United States of America	

SCM products are melted and extruded in the USA

PO/Ref 35853
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: *[Signature]*

Certificate of Mill Test Results
BL.PEC-039688-009
7Apr17
Page 1/1

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
282708	7

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6
.0810" Non X 48.0000" X 144.0000"
PART NO.

PO/Ref 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-039688-010

7/10/17
Pg 1/1

Henan Xindatong Aluminum Industry Co., Ltd.

MILL TEST CERTIFICATE

2017

Name	Lot No.	Size of Goods (Inch)	Alloy/ Temper	Chemical Composition (%)								Mechanical Properties				
				Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others	Al	Tensile Strength (MPa)	Elongation (%)	Standard
6061 T6 ALUMINUM SHEET	RA27997	0.08"X48"X144"	6061 T6	0.296	0.495	0.267	0.089	0.992	1	0.0285	0.107	0.05	0.15	295	11.5	GBT3880-2012
		0.032"X48"X96"														
Z-1601N3046 3003 H14 ALUMINUM SHEET	Z-1601N3046	0.032"X48"X120"	3003 H14	0.094	0.572	0.09	1.027	0.004	0.0045	0.031	0.0087	0.05	0.15	167	18	GBT3880-2012
		0.040"X48"X96"														
Z-1601N3045 3003 H14	Z-1601N3045	0.040"X48"X120"	3003 H14	0.086	0.526	0.088	1.032	0.007	0.0052	0.022	0.009	0.05	0.15	164	23	GBT3880-2012
		0.125"X48"X96"														
	Z-1601N3044 3003 H14	0.125"X48"X120"	3003 H14	0.09	0.517	0.081	1.007	0.0036	0.0053	0.017	0.0083	0.05	0.15	152	25	GBT3880-2012

L/C REF: IDLC19687

Description of Goods and/or Services:

COVERING 100 PERCENT OF INVOICE VALUE OF GOODS AND/OR SERVICES DESCRIBED AS.

+ 5.542 METRIC TONS 6061 T6 ALUMINUM SHEET

+ 15.397 METRIC TONS 3003 H14 ALUMINUM SHEET

CIF TORONTO PORT

郑州信达通铝业有限公司
ZHENGZHOU XINDATONG ALUMINUM INDUSTRY CO., LTD.

2017
Date: Jan. 26, 2016

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THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 DOMESTIC
1.00" THICK X 6.0000" X 144.5000"
PART NO. *** FROM PLATE

PO/Ref 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-039688-011

7Apr17

Pg 1/3

Signed by: 



CERTIFIED TEST REPORT

Constellium Rolled Products
Ravenswood, LLC

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COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN
46544
US

COPPER & BRASS SALES
PO BOX 5116
SOUTHFIELD MI
48086
US

COPPER&BR						110511375	4075	INCLUSION	Serial:20170310-0110511375	Pg 1 of 3														
CUSTOMER PURCHASE ORDER NO. & ITEM 5400336033						Constellium ORDER NO. 197855																		
ALLOY	CLAD	TEMPER	GAUGE 1.03000 in 26.16 mm	WIDTH 72.50000 in 1,842 mm	LENGTH 144.50000 in 3,670 mm																			
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH																								
CUSTOMER SPECIFICATION AMS QQ-A-250/12A																								
PART NUMBER ALFLR00994			B/L NUMBER 77074		DATE SHIPPED 03/10/2017																			
WT. SHIPPED 5900.000 LB		NO. OF PIECES 00006		GOVT. CONTRACT NO.																				
 Steve Good - Laboratory Manager																								

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

AMS 4045K
ASTM B209-14

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001469818	1,150.000	521.631	9383281	01		
1001469818	1,150.000	521.631	9383281	02		
1001469818	1,150.000	521.631	9383281	03		
1001469819	1,150.000	521.631	9383282	01		
1001469819	1,150.000	521.631	9383282	02		
1001469819	1,150.000	521.631	9383282	03		

Lot: 9383281

Tensile - Room Temperature (US)

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	83.1	83.6	73.3	74.3	12.0	12.5	

Tensile - Room Temperature (SI)

Direction	Tests	Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	573	576	505	512	12.0	12.5	

P-860-165D REVISED: 10/2014

From: ThyssenKrupp Materials NA

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 DOMESTIC
1.00" THICK X 6.0000" X 144.5000"
PART NO. *** FROM PLATE

PO/Rel 35853

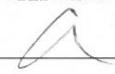
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-039688-011

7Apr17

Pg 2/3

Signed by: 



CERTIFIED TEST REPORT

Constellium Rolled Products
Ravenswood, LLC

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COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN
46544
US

COPPER & BRASS SALES
PO BOX 5116
SOUTHFIELD MI
48086
US

COPPER&BR 110511375 4075 INCLUSION Serial:20170310-0110511375 Pg 2 of 3

CUSTOMER PURCHASE ORDER NO. & ITEM 5400336033				Constellium ORDER NO. 197855		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA 	
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.03000 in 26.16 mm	WIDTH 72.50000 in 1,842 mm	LENGTH 144.50000 in 3,670 mm		
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH							
CUSTOMER SPECIFICATION AMS QQ-A-250/12A							
PART NUMBER ALFLR00994		B/L NUMBER 77074		DATE SHIPPED 03/10/2017			
WT. SHIPPED 6900.000 LB		NO. OF PIECES 000005		GOVT. CONTRACT NO.			

Chemistry (Actual)

SI	FE	CU	MN	MG	CR	ZN	TI	ZR	
Core	0.05	0.13	1.50	0.02	2.54	0.20	5.69	0.03	0.01

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

Lot: 9383282

Tensile - Room Temperature (US)

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	O2	82.8	82.8	73.9	74.3	11.0	12.5	

Tensile - Room Temperature (SI)

Direction	Tests	Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	O2	571	571	510	512	11.0	12.5	

P-860-155D REVISED: 10 2014

From: ThyssenKrupp Materials NA

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 DOMESTIC
1.00" THICK X 6.0000" X 144.5000"
PART NO. *** FROM PLATE

PO/Rel 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-0396SS-011

7Apr17

Pg 3/3

Signed by: 



CERTIFIED TEST REPORT

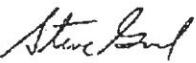
Constellium Rolled Products
Ravenswood, LLC

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COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN
46544
US

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COPPER & BRASS SALES
PO BOX 5116
SOUTHFIELD MI
48086
US

COPPER&BR		110511375		4075		INCLUSION		Serial:20170310-0110511375		Pg 3 of 3			
CUSTOMER PURCHASE ORDER NO. & ITEM 5400336033						Constellium ORDER NO. 197855						CERTIFICATION	
ALLOY	CLAD	TEMPER	GAUGE	WIDTH	LENGTH								
7075		T651	1.03000 in 25.16 mm	72.50000 in 1,842 mm	144.50000 in 3,670 mm								
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH												<p>"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products, Ravenswood, LLC 850 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA</p> <p></p> <p>Steve Good - Laboratory Manager</p>	
CUSTOMER SPECIFICATION AMS QQ-A-250/12A													
PART NUMBER ALFLRC0994			B/L NUMBER 77074		DATE SHIPPED 03/10/2017								
WT. SHIPPED 6900.000 LB			NO. OF PIECES 000006		GOVT. CONTRACT NO.								
Chemistry (Actual)													
Core	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr				
Core	0.05	0.13	1.50	0.02	2.64	0.20	5.69	0.03	0.01				
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER													
All material contained in this lot was cast and manufactured in the USA													
QUALITY TEXTS: Constellium Rolled Products, LLC (Constellium) certifies that all metals and materials supplied are in compliance with European Union Directives 2002/95/EC and 2011/65/EU. Constellium further certifies that a copy of these directives, which provides restrictions on the use of certain hazardous substances (RoHS) in electrical and electronic equipment, have been received and read in their entirety.													
Constellium understand and agrees, as a supplier that it is responsible for meeting the requirements of the RoHS and RoHS2 directives.													
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.													
CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E398 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090570149; CAGE Code: 1YW19 Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"													
P-880-165D REVISED: 10 2014													

From: ThyssenKrupp Materials NA

THYSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304L-2B DUAL GRADE

.0750" Nom X 48.0000" X 96.0000"

PART NO.

PO/Rel 35853
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: 

BL PEC-039688-013

7Apr17
Pg 1/1



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K 1Z3

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 234736 2 Mail To:
THYSENKRUPP MATERIALS
Customer: 007206 001 2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

ship To:
THYSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 11/03/2015 Page: 1
Steel: 304L
Finish: 2B

Corrosion: ASTM A262/15 A; 180Bend-OK
NAS Order: WN 0084092 05

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED. UNS 30403
ASTM A240/15, A480/15, A666/15; ASME SA240/15, SA480/15, SA666/15
CHEM ONLY ON FOLLOWING: ASTM: A276/15, A479/15, A484/15, A512/16
AMS 5511H XMRK; MIL-5059D NAM3(X CRN MEAS); MIL-A-4043B
NACE MR0175/ISO 15156-3:2009 A, MR0103/07, QQS766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204/2004 3.1; RoHS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DEARS Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
02159W CB	02159W C		.0750	48.0000	2,382	SHEETS	096.00	25	

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323
Chemical Analysis per ASTM A751/14a.

HEAT	CM	C %	CR %	CU %	EN %	MO %	N %	NI %	P %	S %
159W	US	.0190	18.0030	.4130	1.7930	.3060	.0724	8.0210	.0300	.0010

SI %

.2370

MECHANICAL PROPERTIES

Product Id#	Coil #	UTS	20C %YS	20C Elong %	Hard	Tail
02159W CB	02159W C	F T	98.45	50.91	44.75	RB Hard

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

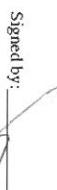
Technical
Dept. Mgr. 

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 304L
3/8" DIA X 144.0000L
PART NO.

PO/Rel 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: 

7Apr17
BL PEC-039688-002
Page 1/1

Page 1/1
Kris Mark
3/23/2017



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K2Z3

Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 40045-9615
(502) 347-6000

Your Order:

PEC280739

NAS Order: PN 0076825 01

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3-1, ASTM A484/15
ASTM A276/16, ASTM A479/16, ASTM A122/13 CHEM ONLY,
ASME SA179/13, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QQS-763D, QQS-763R, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A ASME SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU ROHS, ENP+AOD+CC. NO WELD REPAIR, MELTED AND MFG

IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Date: 3/23/2017 Page: 1
Steel: 304/304L
Finish: CD
Corrosion: ASTM A262-10 Prac A/E OK

Product Id	Skid #	Diameter	Size	Weight	Mark					
BI5778 6		.3750		1.216	144.00	21	1			

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

CHEMICAL ANALYSIS CM(Country of Met)

ES(Spain) US(United States) ZA(South Africa) JP(Japan)

NAS Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
313E	US	.0215	.1885	18.2225	.5325	1.3320	.3125	.0728	8.5530	.0300
		S %	SI %							
		.0240	.2255							

MECHANICAL PROPERTIES

Product Id	1 d o r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 2"
BI5778 6	R L	227.0	97.27	111.36	68.40	38.30

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

THYSSENKRUPP MATERIALS NA

PO/Ref 35853

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
.750" DIA X 144.0000
PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: _____

BL PEC-039688-012

7Apr17
Pg 1/1



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 275322 2 Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Your Order: PEC282004

NAS Order: IN 0244773 01

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30300, ASTM A582/12 EN 10204 3.1, ASTM A484/15
AMS 5640V TYPE 1, Q29-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 3/20/2017 Page: 1

Steel: 303
Finish: CM

Corrosion:

REMARKS:

COMPLIES W/ REQUIREMENTS OF DFAR 252.225-7009 EU DIRECTIVE
2011/65/EU RoHS, ENP+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BT3895 8		.7500		602	144.00		8	1

Chemical Analysis CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323

NAS Heat	CM	C %	CO %	CR %	CT %	MN %	MO %	N %	NI %	P %
226E	US	.0337	.1140	17.0490	.3350	1.8470	.3820	.0410	8.4710	.0265

S % ST %
.3185 .4420

MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	2YS KSI	UTS KSI	RA %	Elong % 4D
BT3895 8	R L	220.0	64.19	86.49	54.60	34.51

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr. _____

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304516GA
 DATE: 17-04-11

PO / BATCH NO: P035853/M137263

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 120 SQFT
 QUANTITY INSPECTED: 120 SQFT
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .60
 THICKNESS RECEIVED: .60
 SHEET SIZE ORDERED: 4X10
 SHEET SIZE RECEIVED: 4X10

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<u>Y</u> <u>N</u>	
CORRECT FINISH	<u>Y</u> <u>N</u>	
CORROSION	<u>Y</u> <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> <u>N</u>	
CORRECT MATERIAL	<u>Y</u> <u>N</u>	
CORRECT THICKNESS	<u>Y</u> <u>N</u>	
PHOTO REQUIRED	<u>Y</u> <u>N</u>	
CORRECT MATERIAL	<u>Y</u> <u>N</u>	<u>ASTM A240</u>
CORRECT REF # TO LINK CERT	<u>Y</u> <u>N</u>	<u>HF #X7V5</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> <u>N</u>	
CORRECT M# ON THE MATERIAL	<u>Y</u> <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<u>Y</u> <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<u>Y</u> <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	35 9-89	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CP</u>		SIGNED OFF BY: _____
DATE: <u>17-04-11</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T65-.080
 DATE: 17-04-11

PO / BATCH NO.: P035853/M137263

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 96 Sq.Ft.
 QUANTITY INSPECTED: 8
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .080
 THICKNESS RECEIVED: .080
 SHEET SIZE ORDERED: 4'X12'
 SHEET SIZE RECEIVED: 4'X12'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HT # B427997
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	38	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u>	<u>9.89</u>	SIGNED OFF BY: _____
DATE: <u>17-04-11</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M3045116A
 DATE: 17-04-11

PO / BATCH NO.: PO 35853/M 137263

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 4050ft
 QUANTITY INSPECTED: 4050ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .125
 THICKNESS RECEIVED: .123
 SHEET SIZE ORDERED: 4X10
 SHEET SIZE RECEIVED: 4X10

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	<i>Astm A240</i>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	<i>HT# L2515D05</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	38	9-89	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>17-04-11 CB</u>			SIGNED OFF BY: _____
DATE: _____			DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303120,750
 DATE: 17-04-10

PO / BATCH NO. PO35853/M137263

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 3X12'
 QUANTITY INSPECTED: 3X12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .750
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	226E
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>38</u> <u>9-08</u>	SIGNED OFF BY: _____
DATE: <u>APR 10 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075T6B6.00 081.00
 DATE: 17-04-10

PO / BATCH NO: PO 35853 / M 137263

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 1x12'
 QUANTITY INSPECTED: 1x12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 6.020 x 1.000
 THICKNESS RECEIVED: 6.020 x 1.000
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	H1 9383282
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW						
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC		HRB		DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>38</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>APR 10 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H6061T6R0.750
 DATE: 17-04-10

PO / BATCH NO.: _____

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 2x12'
 QUANTITY INSPECTED: 2x12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .750
 SHEET SIZE ORDERED: 12'
 SHEET SIZE RECEIVED: 12'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	<input checked="" type="checkbox"/>	N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	FI: 201621991
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW						
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC		HRB		DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>APP 90 2017</u>	SIGNED OFF BY: _____
DATE: _____	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6R0.625
 DATE: 17-04-10

PO / BATCH NO. PO 35853/M187263

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 1x12'
 QUANTITY INSPECTED: 1x12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .625
 THICKNESS RECEIVED: .625
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	H: 200529
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC		HRB		DUR A
					DUR D

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS 38 9-88</u>	SIGNED OFF BY:	
DATE:	<u>APP 10 2017</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 46061T6B0,750x01,500
 DATE: 17-04-10

PO / BATCH NO. P035853/M137263

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 1x12'
 QUANTITY INSPECTED: 1x12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750x1.50
 THICKNESS RECEIVED: .750x1.50
 SHEET SIZE ORDERED: 18
 SHEET SIZE RECEIVED: 18

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	H: 201704800
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC		HRB		DUR A
					DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>38</u>	SIGNED OFF BY: _____
DATE: <u>APR 10 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304R0,375
 DATE: 17-04-10

PO / BATCH NO. PO 35853/M137263

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 2 X 12'
 QUANTITY INSPECTED: 2 X 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375
 THICKNESS RECEIVED: 0.375
 SHEET SIZE ORDERED: 10
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	<u>Y</u> N	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> N	
CORRECT MATERIAL	<u>Y</u> N	
CORRECT THICKNESS	<u>Y</u> N	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	<u>Y</u> N	
CORRECT REF # TO LINK CERT	<u>Y</u> N	
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> N	<u>H1 3136</u>
CORRECT M# ON THE MATERIAL	<u>Y</u> N	<u>3</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>38</u> <u>98</u>	SIGNED OFF BY: _____
DATE: <u>APR 10 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H 304 B 1.000 X 1.000
 DATE: 17-04-10

PO / BATCH NO.: PO 35853 / M 137263

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 1 X 12 ft
 QUANTITY INSPECTED: 1 X 12 ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.00 X 1.00
 THICKNESS RECEIVED: 1.00 X 1.00
 SHEET SIZE ORDERED: 12 ft
 SHEET SIZE RECEIVED: 12 ft

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	H: 269432
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>JK 38 28</u>	SIGNED OFF BY: _____
DATE: <u>APR 10 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304514GA
 DATE: 17-04-11

PO / BATCH NO.: PO35853/1137263

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 325sf+
 QUANTITY INSPECTED: 325sf+
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .080
 THICKNESS RECEIVED: .079
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	<u>Y</u> N	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> N	
CORRECT MATERIAL	<u>Y</u> N	
CORRECT THICKNESS	<u>Y</u> N	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	<u>Y</u> N	ASTM A240
CORRECT REF # TO LINK CERT	<u>Y</u> N	HT # 159W
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> N	
CORRECT M# ON THE MATERIAL	<u>Y</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u> 3-88	SIGNED OFF BY: _____
DATE: <u>17-04-11</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M5052H325980
 DATE: 17-04-11

PO / BATCH NO.: P035853/M137263

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 325sqft
 QUANTITY INSPECTED: 325sqft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .080
 THICKNESS RECEIVED: .079
 SHEET SIZE ORDERED: 4X8
 SHEET SIZE RECEIVED: 4X8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u> DAS <u>38</u> <u>388</u> DATE: <u>17-04-11</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304520GA
 DATE: 17-04-11

PO / BATCH NO.: P035853/M137263

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 6454FT
 QUANTITY INSPECTED: 6452FT
 QUANTITY REJECTED: X

THICKNESS ORDERED: .040
 THICKNESS RECEIVED: .038
 SHEET SIZE ORDERED: 4X8
 SHEET SIZE RECEIVED: 4X8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	X	N	
CORRECT MATERIAL	X	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	ASTM A240
CORRECT REF # TO LINK CERT	X	N	FT# ACAC10-A4D
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u> DATE: <u>17-04-11</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 1 of 7

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA



APR 05 2017

Contact Name
Vendor Phone 905 669 9444

Buyer Chantal Lavoie

Customer POID

10127-2607

Customer Tax #

Net 30

Terms

CAD

Currency

FCA - (Free Carrier)

FOB

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M304B1.000X1.000	304 bar 1.00 x 1.00	4/12/2017 Yes 4/12/2017		12.00 f	\$19.69	\$236.25

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

2	M304R0.375	304 ROUND BAR 0.375	4/12/2017 Yes 4/12/2017		24.00 f	Line Total: \$2.29	\$55.00
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MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$55.00

PO Instructions: quotation pec st-36372

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017
PO Print Date 4/5/2017

Page Number 2 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

3	M304S11GA	304/316 0.125 Sheet	4/12/2017	32.00	\$13.25	\$424.00
			Yes	sf		
			4/12/2017			

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Rec'd 408F

4	M304S16GA	304/316 Sheet .063	4/12/2017	120.00	\$5.33	\$640.14
			Yes	sf		
			4/12/2017			

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Sp17-410

PO Instructions: quotation pec st-36372

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017
PO Print Date 4/5/2017

Page Number 3 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

5	M304S20GA	304/316 .040 Sheet	4/12/2017	64.00	\$4.79	\$306.60
			Yes	sf		
			4/12/2017			

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED

SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

6	M5052H32S.080	5052-H32 .080 Sheet	4/12/2017	32.00	\$3.50	\$112.00
			Yes	sf		
			4/12/2017			

MATERIAL: 5052-H32 ALUMINUM SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR **ASTM B209**

7	M6061T6B0.750X01.500	6061-T6 Bar .750 X 1.50	4/12/2017	12.00	\$5.62	\$67.44
			Yes	f		
			4/12/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

8974-10

PO Instructions: quotation pec st-36372

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 4 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

					Line Total:	
8	M6061T6R0.625	6061-T6 Round Bar .625"	4/12/2017	12.00 f	\$4.58	\$55.00

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

9	M6061T6R0.750	6061-T6 Round Bar .750"	4/12/2017	24.00 f	\$2.60	\$62.50
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

				Line Total:	
4/12/2017				\$55.00	

SP/44-10
Line Total: \$62.50

PO Instructions: quotation pec st-36372

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017
PO Print Date 4/5/2017

Page Number 5 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie		
Vendor Phone	905 669 9444	Customer POID			
Ship To Contact		Customer Tax #	10127-2607		
Ship To Phone		Terms	Net 30		
Ship Via:	VENDOR'S TRUCK	Currency	CAD		
Ship Acct:		FOB	FCA - (Free Carrier)		
10 M6061T6S.080	6061-T6 .080 Sheet	4/12/2017	96.00	\$4.14	\$397.85
		Yes	sf		
		4/12/2017			
MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209					
11 M7075T6B6.000X1.000	7075-T6 BAR 6.000" X 1.000"	4/12/2017	12.04		\$38.62
		Yes	f		
		4/12/2017			
MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE					
12 M303R0.750	303 Round Bar 0.750	4/12/2017	36.00		\$465.00
		Yes	f		
		4/12/2017			
MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582					
NOTE: AISI 304/316 NOT ACCEPTABLE					

PO Instructions: quotation pec st-36372

Note:

SP17410



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 6 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

13	M304S14GA	304SS sheet .080	4/12/2017	32.00	\$6.94	\$221.92
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PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$164.04

14	71401-45	PROCUREMENT QUALITY CLAUSES	4/12/2017	1.00	\$0.00	\$0.00
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Line Total: \$221.92

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

4/12/2017

No

SPH-10



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 7 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

Line Total: \$0.00

PO Total: \$3,207.74

PO Instructions: quotation pec st-36372

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 4/5/2017